



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,880	06/16/2005	Remy Cricco	032326-304	8760
21839	7590	02/27/2006	EXAMINER	
BUCHANAN INGERSOLL PC (INCLUDING BURNS, DOANE, SWECKER & MATHIS) POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			VU, MICHAEL T	
			ART UNIT	PAPER NUMBER
			2683	

DATE MAILED: 02/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Information Disclosure Statement*

2. The references listed in the Information Disclosure Statement filed on May 12, 2005 have been considered by the examiner (see attached PTO-1449 form or PTO/SB/08A and 08B forms)

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Minear (US 2003/0032417) in view of Qu (US 2004/0076131).

Regarding **claim 1**, Ritter teaches a method for loading from a server an application including a first part intended for a terminal provided with an application management means and a second part intended for a chip card accepted in the terminal (Fig. 2, Download Server #16 [0023]), **but is silent on** comprising the following steps of: supplying to the terminal a loading means for loading the second application part in the chip card formatting in the server the second application part so that it is

Art Unit: 2683

compatible with a protocol for communication between the terminal and the chip card constructing in the server an application message containing the first application part and the second formatted application part transmitting the application message from the server to the terminal over a single transmission channel installing in the terminal the first application part extracted from the application message via the management means, and loading the second application part extracted from the application message from the terminal into the chip card according to the predetermined communication protocol under the control of the loading means. However, Qu teaches the techniques for performing data download to removable module or SIM card via the mobile telephone then extract the application data from the received mobile telephone to the removable module, and each application data to be assigned to and identified by a specific service category identifier (Fig. 2, Abstract, [0005, 0008, 0013, 0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Minear, such that constructing in the server an application message containing the first application part and the second formatted application part transmitting the application message from the server to the terminal over a single transmission channel installing in the terminal the first application part extracted from the application message via the management means, and loading the second application part extracted from the application message from the terminal into the chip card according to the predetermined communication protocol under the control of the loading means, to provide the efficiently download application data via SMS in the telecommunication systems.

Regarding **claim 2**, Minear/Qu teach a method according to claim 1, Qu further teaches wherein the constructed application message contains a descriptor of the application with at least one identifier of the second application part, and the management means analyzes the descriptor in the application message received by the terminal so that the second application part is extracted from the application message according to the identifier in the analyzed descriptor (Fig. 2 to Fig. 5, Tables 1-3 and 5-6 [0013, 0031, 0047, 0067-0068, 0057]) of Qu.

Regarding **claim 3**, Minear/Qu teach a method according to claim 1, Qu further teaches wherein the loading means is installed in advance in the form of a software module in the terminal (Fig. 2 to Fig. 5, [0006, 0008, 0013, 0031]) of Qu.

Regarding **claim 4**, Minear/Qu teach a method according to claim 1, Qu further teaches comprising the steps of introducing the loading means in the form of a script during the construction of the application message to be transmitted from the server to the terminal and installing the of the loading means by extraction of the script in the application message received by the terminal before the loading of the second application part (Fig. 2 to Fig. 5, Tables 1-3 and 5-6 [0013, 0031, 0047, 0067-0068, 0057]) of Qu.

Regarding **claim 5**, Minear/Qu teach a method according to claim 1, Qu further teaches comprising the steps of introducing of an address of a loading script during the construction of the application message to be transmitted from the server to the terminal, installing of the loading means by extraction of the script address in the application message received by the terminal, and a downloading of the script from the

extracted address in the terminal before loading the second application part (Fig. 2 to Fig. 5, Tables 1-3 and 5-6 [0013, 0031, 0047, 0067-0068, 0057]) of Qu.

Regarding **claim 6**, Minear/Qu teach a method according to claim 1, Minear further teaches comprising, after the step of loading the second application part, the step of deleting the second application part in the terminal (Title, Abstract [0023]) of Minear.

Regarding **claim 7**, Minear/Qu teach a method according to claim 1, Qu further teaches comprising, after the step of loading the second application part, the step of transmitting an acknowledgement message from the terminal to the server M as soon as the management means has finished loading of the second application in the chip card [0031] of Qu.

Regarding **claim 8**, Minear/Qu teach a method according to claim 1, Qu further teaches wherein the second application part is segmented into protocol units which are in accordance with the communication protocol and which are loaded successively in the chip card under the control of the loading means, and further including the step of transmitting from the chip card an acknowledgement response after the loading of each protocol unit [0031] of Qu.

Regarding **claim 9**, Minear/Qu teach a method according to claim 1, Qu further teaches wherein the first and second application parts are written in high-level languages and are converted into an intermediate language that can be interpreted respectively by virtual execution means respectively implemented in the terminal and the chip card [0080] of Qu.

Art Unit: 2683

Regarding **claim 10**, Minear/Qu teach a method according to claim 1, wherein the terminal is a mobile radiotelephone terminal [0008].

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Horel US 2004/0032936

Ritter US 6880761

Lim US 2003/0040811

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Vu whose telephone number is (571) 272-8131.

The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Art Unit: 2683

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael T. Vu

  
**ELISEO RAMOS-FELICIANO**  
**PATENT EXAMINER**